

MODULAR PROPELLER

ABSTRACT OF THE DISCLOSURE

5       A modular propeller comprises a center hub with an integrated front cap and a solid aluminum core encapsulated with fiber-reinforced composite polymer resin. A set of replaceable blades have bases that slip into and interlock with corresponding slots in the center hub. An elongated  
10      rear cap retains the blades in the center hub. The rear cap includes a nozzle section for expelling exhaust gasses that pass through the center parts of the hub and blade bases.